

What is claimed is:

1. A high-frequency device comprising:

an antenna terminal;

a signal line connected to said antenna terminal;

5 a high-frequency signal processing circuit connected to said signal line;

a capacitance element having one end connected to said signal line and other end grounded; and

10 an inductor having one end connected to said signal line and other end grounded.

2. The high-frequency device according to claim 1, wherein said capacitance element and said inductor are formed integrally with each other.

15 3. The high-frequency device according to claim 1, further comprising a ceramic laminated substrate including a ceramic layer and a conductive pattern provided on said ceramic layer, for forming said antenna terminal, said capacitance element, and said inductor.

20 4. The high-frequency device according to claim 1, wherein said capacitance element is a capacitor.

5. The high-frequency device according to claim 1, wherein said capacitance element is a varistor.

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6. The high-frequency device according to claim 1, wherein an inductance of said inductor is not larger than 50nH.

7. The high-frequency device according to claim 1, wherein an capacitance of said capacitance element is not larger than 10pF.

5        8. The high-frequency device according to claim 1, wherein said high-frequency signal processing circuit includes a switch connected to said signal line.

10       9. The high-frequency device according to claim 8, wherein said high-frequency signal processing circuit further includes a filter connected to said switch.

15       10. The high-frequency device according to claim 1, wherein said high-frequency signal processing circuit includes a duplexer connected to said signal line.

11. The high-frequency device according to claim 1, wherein said high-frequency signal processing circuit includes a diplexer connected to said signal line.